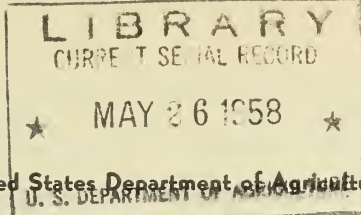


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United States Department of Agriculture
U. S. DEPARTMENT OF AGRICULTURE
AGRICULTURAL MARKETING SERVICE
COTTON DIVISION

SERVICE AND REGULATORY ANNOUNCEMENT NO. A.M.S. 179

STANDARDS FOR GRADES OF COTTONSEED SOLD OR OFFERED FOR SALE FOR CRUSHING PURPOSES WITHIN THE UNITED STATES

(Title 7, Ch. I, Part 61, Sections 61.101-61.104 of the Code of Federal Regulations)

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Sec. 61.101 Determination of grade. The grade of cottonseed shall be determined from the analysis of samples, and it shall be the result, stated in the nearest whole or half numbers, obtained by multiplying a quantity index by a quality index and dividing the result by 100. The quantity index and the quality index shall be determined as hereinafter provided.

- (a) The basis grade of cottonseed shall be grade 100.
- (b) High grades of cottonseed shall be those grades above 100.
- (c) Low grades of cottonseed shall be those grades below 100.

Sec. 61.102 Determination of quantity index. The quantity index of cottonseed shall be determined as follows:

(a) For cottonseed that by analysis contain 16.5 percent or more of oil, the quantity index shall equal the result of 4 times (percentage of oil), plus 6 times (percentage of ammonia), plus the applicable linters premium or discount shown in paragraph (c) of this section, plus 5.

(b) For cottonseed that by analysis contain less than 16.5 percent of oil, the quantity index shall equal the result of 6 times (percentage of oil), plus 6 times (percentage of ammonia), plus the applicable linters premium or discount shown in paragraph (c) of this section, minus 28.

(c) The premium or discount for total linters content of cottonseed to be used in paragraphs (a) and (b) of this section will be according to the following table:

Total linters content of cottonseed (percent): ¹	Premium or discount (quantity index units) ²
20.0-----	+8.5
19.0-----	+7.5
18.0-----	+6.5
17.0-----	+5.5
16.0-----	+4.5
15.0-----	+3.5
14.0-----	+2.5
13.0-----	+1.5
12.0-----	+0.5
11.5-----	0
11.0-----	-0.5
10.0-----	-1.5
9.0-----	-3.5
8.0-----	-5.5
7.0-----	-7.5
6.0-----	-9.5
5.0-----	-11.5
4.0-----	-14.0
3.0-----	-16.5
2.0-----	-19.0
1.0-----	-21.5

¹ Total linters content to the nearest 0.1 percent will be used in calculating premiums and discounts.

² Premiums and discounts are calculated on the basis of the following formulas:

Percent linters on cottonseed:	Premium or discount factor
11.6 and over-----	Premium = (percent linters minus 11.5) x 1.0.
11.5-----	None.
11.4-10.0-----	Discount = (11.5 minus percent linters) x 1.0.
9.9-5.0-----	Discount = (10.0 minus percent linters) x 2.0 + 1.5.
4.9-0-----	Discount = (5.0 minus percent linters) x 2.5 + 11.5.

Sec. 61.103 Determination of quality index. The quality index of cottonseed shall be an index of purity and soundness, and shall be determined as follows:

(a) Prime quality cottonseed. Cottonseed that by analysis contains not more than 1.0 percent of foreign matter, not more than 12.0 percent of moisture, and not more than 1.8 percent of free fatty acids in the oil in the seed, shall be known as prime quality cottonseed and shall have a quality index of 100.

(b) Below prime quality cottonseed. The quality index of cottonseed that, by analysis, contain foreign matter, moisture, or free fatty acids in the oil in the seed, in excess of the percentages prescribed in paragraph (a) of this section shall be found by reducing the quality index of prime quality cottonseed as follows:

(1) Four-tenths of a unit for each 0.1 percent of free fatty acids in the oil in the seed in excess of 1.8 percent.

(2) One-tenth of a unit for each 0.1 percent of foreign matter in excess of 1.0 percent.

(3) One-tenth of a unit for each 0.1 percent of moisture in excess of 12.0 percent.

(c) Off quality cottonseed. Cottonseed that has been treated by either mechanical or chemical process other than the usual cleaning, drying, and ginning (except sterilization required by the United States Department of Agriculture for quarantine purposes) or that are fermented or hot, or that upon analysis are found to contain 12.5 percent or more of free fatty acids in the oil in the seed, or more than 10.0 percent of foreign matter, or more than 20.0 percent of moisture, or more than 25.0 percent of moisture and foreign matter combined, shall be designated as "off quality cottonseed."

(d) Below grade cottonseed. Cottonseed the grade of which when calculated according to Sec. 61.101 is below grade 40.0 shall be designated as "below grade cottonseed," and a numerical grade shall not be indicated.

Sec. 61.104 Sampling, analysis, and certification of samples and grades. The drawing, preparation, and certification of samples of cottonseed, and the analysis and certification of grades of cottonseed shall be performed in accordance with methods approved from time to time for the purposes by the Director, or his representatives.

PROVISIONS OF THE AGRICULTURAL MARKETING ACT OF 1946, AS AMENDED

The authority for the standards for grades of cottonseed contained in this publication is the Agricultural Marketing Act of 1946, as amended. Pertinent provisions of this Act as contained in the United States Code are quoted below:

7 U.S.C. 1622. Duties of Secretary relating to agricultural products.

The Secretary of Agriculture is directed and authorized:

* * * * *

Improvement of standards of quality, condition, etc.

(c) To develop and improve standards of quality, condition, quantity, grade, and packaging, and recommend and demonstrate such standards in order to encourage uniformity and consistency in commercial practices.

(Aug. 14, 1946, c. 966, Title II, Sec. 203, 60 Stat. 1087).

7 U.S.C. 1624. Cooperation with Government and State agencies, private research organizations, etc.; rules and regulations; report to Congress.

(a) In carrying out the provisions of this chapter, the Secretary of Agriculture may cooperate with other branches of the Government, State agencies, private research organizations, purchasing and consuming organizations, boards of trade, chambers of commerce, other associations of business or trade organizations, transportation and storage agencies and organizations, or other persons or corporations engaged in the production, transportation, storing, processing, marketing, and distribution of agricultural

products whether operating in one or more jurisdictions. The Secretary of Agriculture shall have authority to enter into contracts and agreements under the terms of regulations promulgated by him with States and agencies of States, private firms, institutions, and individuals for the purpose of conducting research and service work, making and compiling reports and surveys, and carrying out other functions relating thereto when in his judgment the services or functions to be performed will be carried out more effectively, more rapidly, or at less cost than if performed by the Department of Agriculture. Contracts under this section may be made for work to be performed within a period not more than four years from the date of any such contract, and advance, progress, or other payments may be made. The provisions of section 529 of Title 31 and section 5 of Title 41 shall not be applicable to contracts or agreements made under the authority of this section. Any unexpended balances of appropriations obligated by contracts as authorized by this section may, notwithstanding the provisions of section 713 of Title 31, remain upon the books of the Treasury for not more than five fiscal years before being carried to the surplus fund and covered into the Treasury. Any contract made pursuant to this section shall contain requirements making the result of such research and investigations available to the public by such means as the Secretary of Agriculture shall determine.

(b) The Secretary of Agriculture shall promulgate such orders, rules, and regulations as he deems necessary to carry out the provisions of this chapter.

(Aug. 14, 1946, c. 966, Title II, Sec. 205, 60 Stat. 1090, as amended Aug. 30, 1954, c. 1076, Sec. 1 (7), 68 Stat. 966)